

Claims

1. Method for providing broadcast data comprising a broadcast being sent from a broadcast station and additional information data related to said broadcast, said broadcast data being provided to at least one mobile terminal device, said mobile terminal device being connected to a server in a wireless data network, said at least one mobile terminal device comprising components for receiving said broadcast from said at least one broadcast station and for receiving said additional information data from said server, comprising:

- receiving at the server said additional information data from said at least one broadcast station,
- determining at least one mobile terminal device to be supplied with said additional information data, and
- updating said additional information data with said at least one determined mobile terminal device via said wireless communication network.

2. Method according to claim 1, wherein said server uses a presence database for determining said at least one mobile terminal device to be updated with said additional information data.

3. Method according to claim 1 or 2, wherein said additional information data from said at least one broadcast station is received from at least one second server connected to said at least one broadcast station.

4. Method according to any one of claims 1 to 3, wherein said broadcast station comprises one of said servers, wherein said additional information data is received from a component within said broadcast station.

5. Method according to anyone of the preceding claims, further comprising determining, whether said additional information data received from said broadcast station has changed, and updating said additional information data only, if said additional information data has changed.

6. Method according to anyone of claims 1 to 5, further comprising:

- receiving a transmission from a mobile terminal device indicating that said mobile terminal device is to be supplied with said additional information data,
- determining said mobile terminal device as to be supplied with said additional information data, and
- sending said additional information data to said mobile terminal device via said wireless

communication network.

7. Method according to anyone of the preceding claims, further comprising:

- receiving a transmission indicating that said mobile terminal device is no longer to be updated with said additional information data.

8. Method for receiving broadcast data in a mobile terminal device, said broadcast data comprising a broadcast being sent from at least one broadcast station and additional information data related to said broadcast, said mobile terminal device being connected to a server in a wireless data network, said at least one mobile terminal device comprising components for receiving said broadcast from said at least one broadcast station and for receiving said additional information data from said server, comprising:

- receiving said broadcast from said broadcast station via a wireless broadcast channel,
- receiving said additional information data, from said server via said wireless communication network, and
- updating said additional information data on said mobile terminal device.

9. Method according to claim 8, further comprising displaying said updated additional information data on said mobile terminal device.

10. Method according to claim 9, further comprising processing said additional information data for display.

11. Method according to one of claim 8 to 10, further comprising transmitting a message to a server in said wireless communication network to initiate the transmission of said additional information data related to the contents of said received broadcast.

12. Method according to anyone of claims 8 to 11, further comprising determining a name of said broadcast station transmitting said broadcast.

13. Method according to one of claims 8 to 12, further comprising displaying the name of said determined broadcast station, and said received additional information data together on a display.

14. Method for providing broadcast data comprising a broadcast being sent from a broadcast station and additional information data related to said broadcast to at least one mobile terminal device, said broadcast being available for said at least one mobile terminal device, and said additional information data being available for said at least one mobile terminal device, said mobile terminal device being connected to a server in a wireless data network, said at least one mobile terminal device comprising components for receiving said broadcast from said at least one broadcast station and for receiving said additional information data from said broadcast station via said server, comprising:

- transmitting said broadcast from said at least one broadcast station to said at least one mobile terminal device,
- transmitting said additional information data from said at least one broadcast station to said server,
- determining at the server at least one mobile terminal device to be supplied with said additional information data,
- updating said additional information data to said at least one determined mobile terminal device via said wireless communication network, and
- displaying said broadcast and said additional information data on said mobile terminal device.

15. Software tool comprising program code means stored on a computer readable medium for carrying out the method of anyone of claims 1 to 14 when said software tool product is run on a mobile terminal or network device.

16. Computer program product for providing additional information data of a broadcast transmission via a network on a mobile terminal device, comprising loadable program code means for carrying out the steps of anyone of claims 1 to 14 when said program is run on a mobile terminal or a network device.

17. Computer program product comprising program code means stored on a computer readable medium for carrying out the method of anyone of claims 1 to 14 when said program product is run on a mobile terminal or network device.

18. Network server for providing additional information data related to the contents of at least one broadcast from at least one broadcast station, said additional information data to be supplied to at least one mobile terminal device, comprising:

- a network module for receiving said additional information data from said broadcast station,

- a database for storing indications of said at least one mobile terminal devices to be updated with said additional information data,
- a controller being connected to said network module, for processing additional information data, and connected to said database for receiving said indications of said at least one mobile terminal device and for determining at least one mobile terminal device to be supplied with said additional information data, and
- a wireless network module connected to said controller for updating said information data to said determined mobile terminal devices.

19. Mobile terminal device, capable of displaying additional information data related to the actual contents of a broadcast received from a broadcast station, comprising:

- a radio module for receiving said broadcast,
- a wireless network module for receiving said additional information data,
- a controller for processing said received additional information data, said controller being connected to said wireless network module,
- a memory connected to said controller for storing said processed additional information data, and
- a display module connected to said controller for displaying said processed additional information data.

20. Mobile terminal device according to claim 19, wherein said radio module is connected to said controller, and wherein said radio module is connected to said wireless network module to transfer data from said radio module to said wireless network module.

21. Mobile terminal device according to claim 19 or 20, wherein said radio module comprises a radio data system (RDS) module for determining said broadcast station.

22. Mobile terminal device according to anyone of claims 19 to 21, further comprising a cellular telephone module being connected to said controller.

23. Mobile terminal device according to anyone of claims 19 to 22, further comprising a television module being connected to said controller.

24. Broadcast station for providing broadcast data, said broadcast data comprising at least one broadcast to be provided to mobile terminal devices and additional information data related to said at least one broadcast to be provided to a server, said broadcast station comprising:

- a component for generating said broadcast and for generating said additional information

data,

- a broadcast transmitter for transmitting said broadcast, and
- a network module for transferring said additional information data to said server.

25. System for providing broadcast data comprising

a broadcast station for sending a broadcast and for providing additional information data related to the contents of said broadcast;

a network server for receiving said additional information data, said additional information data to be supplied to at least one mobile terminal device, said network server comprising:

- a network module for receiving said additional information data from said broadcast station,
- a database for storing indications of said at least one mobile terminal devices to be updated with said additional information data,
- a controller being connected to said network module, for processing said additional information data, and being connected to said database for receiving said indications of said at least one mobile terminal device and for determining at least one mobile terminal device to be supplied with said additional information data, and
- a wireless network module connected to said controller for updating said additional information data to said determined mobile terminal devices, and

a mobile terminal device capable of displaying said additional information data, comprising:

- a radio module for receiving said broadcast,
- a wireless network module for receiving said additional information data,
- a controller for processing said received additional information data, said controller being connected to said wireless network module,
- a memory connected to said controller for storing said processed additional information data, and
- a display module connected to said controller for displaying said processed additional information data.